

20050204.ba v03_n765.bam.20050204

>From ???@??? Fri Feb 4 22:39:56 2005 -0600
Date: Fri, 4 Feb 2005 22:38:13 CST
From: Old Tube Radios <boatanchors@theporch.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: BOATANCHORS digest 3765
Message-Id: <20050204233625.338DE400AF@srvr1.theporch.com>

BOATANCHORS Digest 3765

Topics covered in this issue include:

- 1) ADMINISTRIVIA: Buying and Selling Guidelines
by listown@nanniandjack.com (Mail List Owner)
- 2) [Fwd: [MRCA] Mil Radio Special Event upcoming in Feb.]
by Mike Hanz <AAF-Radio-1@cox.net>
- 3) Estate of Phil Goodman
by W4UOC@aol.com
- 4) Deep meaningful questions about 6BQ5 and 6267
by Richard Loken <richardlo@admin.athabascau.ca>
- 5) Re: Deep meaningful questions about 6BQ5 and 6267
by Joe LeKostaj <joe_lekostaj@attglobal.net>
- 6) Payback Time
by David Stinson <arc5@ix.netcom.com>
- 7) Re: Payback Time
by "Paul Monroe" <pmonroe@charter.net>
- 8) FS: Tek 585A scope and accessories
by Avery Comarow <acomarow@usnews.com>
- 9) tube query: 6BQ5 and 6267
by Richard Loken <richardlo@admin.athabascau.ca>
- 10) Re: tube query: 6BQ5 and 6267
by adcinfo@ghg.net
- 11) Re: tube query: 6BQ5 and 6267
by Richard Loken <richardlo@admin.athabascau.ca>
- 12) repairing small variable caps?
by "Rodger Singley" <rbsingl@ilstu.edu>
- 13) Re: tube query: 6BQ5 and 6267
by W7QH0@aol.com
- 14) Re: repairing small variable caps?
by "Tom Rauch" <w8ji@contesting.com>
- 15) Re: tube query: 6BQ5 and 6267
by "Al Parker" <anchor@ec.rr.com>
- 16) Re: tube query: 6BQ5 and 6267
by Richard Loken <richardlo@admin.athabascau.ca>
- 17) Re: tube query: 6BQ5 and 6267
by "Ned Ely" <adcinfo@ghg.net>

From: listtown@nanniandjack.com (Mail List Owner)
To: Old Tube Radios <boatanchors@theporch.com>
Subject: ADMINISTRIVIA: Buying and Selling Guidelines
Date: Tue, 1 Feb 2005 11:15:01 -0800 (PST)
Message-Id: <20050201191501.8B31F14031@osr506.nanniandjack.com>

Gang-

This periodic posting is intended as a gentle nudge and suggestion which should improve the quality of posts to the BoatAnchors list, and maintain our excellent (and high) signal to noise ratio...

The list culture has developed to include "for sale" and "wanted" posts. Originally, all buying and selling traffic was focused on finding parts to complete a restoration. As the list has evolved, there has been an increase in buying and selling activity, which may not be all bad.

There is, however, a real need to observe certain conventions, lest this otherwise benign activity turn into a real disturbance to the real purpose of the list: discussions of radio equipment using vacuum tubes, including the life and times of the designers and users of such gear.

Please observe these guidelines:

There is never a reason for an auction post or update on the Boatanchors List... comments about gear at auction elsewhere are noise, and those who would care already visit the auction sites, and those who do not frequent the auctions do not want to hear about it... simple policy -- keep this off the list!

- 1) LIMIT the frequency of for sale postings... once a month is a good starting point
- 2) DO NOT post endless "xxx is sold" to the entire list... you offered it for sale, and it is not considerate of list resources (which include the time and energy of the other list members) to burden the list with these senseless notices. Use direct email to those who responded, or, if you don't want to answer them personally, just don't use the list to advertise them for sale!
- 3) AVOID even the mere faint appearance that you are posting items for sale as a regular adjunct to your business dealings. This has become more of a problem lately with some long lists showing up regularly on the main list, or with dealers who appear to be using the list for their personal advertising advantage. Failure to

observe these basics *will* result in banishment from the list -- just don't do it! When even a shadow of doubt creeps in, read the "Welcome" message again... it spells it out!

- 4) DO be considerate of those on the list in your for sale or wanted postings. Keep them short, infrequent, and ONLY include items specifically appropriate to the list -- NO solid state gear is obvious, but try to avoid pushing the envelope in any area.
- 5) LONG lists and estate offerings should be sent to me at:
listown@nanniandjack.com
so they may be uploaded to the archives for email, web, or ftp retrieval.
- 6) We now have a web page up. Go to:
<http://www.theporch.com>
and follow the "ListProc Web Interface" Link to get registered and use the web interface, which allows searching of previous articles and the archived text files.

Thanks for your understanding and help in making the boatanchors list have the highest signal to noise on the InterNet.

--

73

Jack, W4KH/Mobile - - - BoatAnchor Mailing List Owner - - -
listown@nanniandjack.com - "Plus ca change, plus c'est la meme chose"
"Il n'y a que les idiots qui ne changent jamais d'idee"
Tue Feb 1 11:15:01 PST 2005

Message-ID: <4200336D.1010406@cox.net>
Date: Tue, 01 Feb 2005 20:57:01 -0500
From: Mike Hanz <AAF-Radio-1@cox.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: [Fwd: [MRCA] Mil Radio Special Event upcoming in Feb.]
Content-Type: text/plain; charset=ISO-8859-1; format=flowed
Content-Transfer-Encoding: 7bit

FYI.

Pictures at http://www.collinsclubs.com/carc/b-29/B-29_Gallery.html

Copied below is the text from an announcement concerning a Military/Ham Radio special event that I think all of you will find interesting. Please check it out, and please try and participate. For more info please follow the link below.

Steve
KB4DMF

<http://www.collinsclubs.com/carc/b-29/>

The Collins Amateur Radio Club in cooperation with the Cedar Valley Amateur Radio Club will be operating W0CXX/29 to celebrate the 60th anniversary of the invasion of Iwo Jima. The special event will run from February 19, 2005 18:00 UTC to Feb 20, 02:00 UTC. Contacts will be made on an ART-13 and SCR-274N from a model of the B29 radio operator position. Special QSL. Freq(+/-): 3885 7290 14286 (AM) and 3529, 7029, and 14029 (CW). QSL with SASE to The History Center, 615 1st Ave. SE Cedar Rapids, IA 52401

The plan is to operate the ARC-5 mostly on phone (80) and the ART-13 mostly on CW (20), but we hope to be flexible and switch around, especially get the ART-13 on 80m AM after dark.

Clyde Hussey (KM4RC), a B-29 radio operator who was on the last B-29 mission over Japan, will be at the History Center at noon to inaugurate the B-29 station and make the very first calls.

From: W4UOC@aol.com
Message-ID: <88.1fa0fbbb.2f340038@aol.com>
Date: Thu, 3 Feb 2005 17:31:20 EST
Subject: Estate of Phil Goodman
To: Old Tube Radios <boatanchors@theporch.com>
MIME-Version: 1.0
Content-Type: multipart/alternative;
boundary="-----1107469880"

-----1107469880
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I am helping Mickey Goodman disperse some of the remaining equipment from her husband Phil Goodman's estate. I currently have some of this equipment at my home and will bring it to Dalton, weather permitting or the Kennahoochie Hamfest if there is any interest.

A partial list includes:

Heathkit V5 VOM - \$20.00

Healthkit Twoer - \$10.00

Healthkit Twoer - 10.00

Heathkit Audio Osc - \$10.00

Healthkit HO-10 monitor scope - \$100.00

SB- 301 receiver, SB-401 SSB Transmitter
SB-630 Station Console, SB-600 Speaker, HP-23/PS - \$375.00

MFJ Antenna Analyser - \$50.00

DX-100 not checked out, no tubes - \$175.00

Let me know if you have any interest in any or all of this equipment.

Tom Koch - W4UOC
8170 Habersham Water Road
Atlanta, GA 30350-4612
770-730-8136

-----1107469880
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

```
* * * * *
*      ---REMAINDER OF MESSAGE TRUNCATED---      *
*      This post contains a forbidden message format      *
*      (such as an attached file, a v-card, HTML formatting) *
*      Mail Lists at theporch.com only accept PLAIN TEXT      *
*      If your postings display this message your mail program *
*      is not set to send PLAIN TEXT ONLY and needs adjusting *
* * * * *
```

-----1107469880--

Date: Thu, 03 Feb 2005 16:13:01 -0700 (MST)
From: Richard Loken <richardlo@admin.athabascau.ca>
Subject: Deep meaningful questions about 6BQ5 and 6267
To: Old Tube Radios <boatanchors@theporch.com>
Message-id: <Pine.PMDF.3.95.1050203154955.541233829C-100000@admin.athabascau.ca>
MIME-version: 1.0
Content-type: TEXT/PLAIN; charset=US-ASCII

Gentlemen of age and wisdom:

I have been restoring a very low end, no name, but mass produced guitar amp that uses a very overpriced 6267 as the preamp and a 6BQ5 as the rock crushing power amp.

I am told that this amp used to work, otherwise I would just assume that it was full of wiring errors. There is no connection to the control grid on the 6BQ5 and the bias and signal input is connected to pin 1 (IIRC) which is labelled by my RCA Tube Manual as "internal connection, do not use". Does that seem like something a creative or demented instrument amp designer might do?

Remember that this thing used to work but guitar players seem to have unique expectations from their amps so who knows.

Wait! There is more! The 6267 is an overpriced very low noise pentode that also has a pin labelled "internal connection" which has been grounded but in a manner that makes it look like a handy tie point. Is this likely to be a pin that you would want to ground?

And thats not all! If you buy before midnight you get a centre tapped B+ winding and a full wave tube rectifier (6X4? 7 pin mini full wave anyway) with one lead tied to a rectifier plate and the other lead connected to an empty pin beside the plate lead and the plate pin connected to a neon pilot lamp through a resistor that goes off to a medium voltage B+ source. Huh?

Oh yes, it also has feedback through a resistor from the secondary of the audio output transformer back to the input of the 6267. That one sort of makes sense I suppose.

How much of this makes sense in some way that I am not privy to? How much is guitar amp designer dementia? How much is assembly incompetence? How much should I care?

--

Richard Loken VE6BSV, Systems Programmer - VMS : "Anybody can be a father
Athabasca University : but you have to earn
Athabasca, Alberta Canada : the title of 'daddy'"
** richardlo@admin.athabascau.ca ** : - Lynn Johnston

Mime-Version: 1.0

Message-Id: <p05010403be28792a13a0@[192.168.1.4]>

Date: Thu, 3 Feb 2005 19:11:30 -0600

To: Old Tube Radios <boatanchors@theporch.com>

From: Joe LeKostaj <joe_lekostaj@attglobal.net>

Subject: Re: Deep meaningful questions about 6BQ5 and 6267

Cc: richardlo@admin.athabascau.ca

Content-Type: text/plain; charset="us-ascii" ; format="flowed"

At 4:13 PM -0700 2/3/05, Richard Loken wrote:

>

>How much of this makes sense in some way that I am not privy to? How much
>is guitar amp designer dementia? How much is assembly incompetence? How
>much should I care?
>

Dear Richard,

From personal experience, I've come to believe that guitar people and audiophools sometimes do foolish things to get a little extra intangible "something" that (they think) will set them apart from their peers. It's like how in the movie "Spinal Tap", the volume control on their amps went up to 11. "It's one more than 10, innit?!"

Put the wires where you know they should go.

BA content: I helped a friend build his first guitar amp by copying the audio circuit directly from the schematic of a Hammarlund HQ-100. With an efficient speaker, that 6AQ5 could get pretty loud!

73,
Joe K9LY

Message-ID: <42037691.5010701@ix.netcom.com>
Date: Fri, 04 Feb 2005 07:20:17 -0600
From: David Stinson <arc5@ix.netcom.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Payback Time
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Remember when transistor people got
all high-behind, proclaiming
the death of Vacuum Tubes?
Well, paybacks are hell, they say:

Who Needs Transistors? Scientists Claim Computing Breakthrough At
Molecular Scale
2/1/2005

Research could send transistors the way of the vacuum tube

Palo Alto, CA -- HP today announced its researchers have proven that a technology they invented could replace the transistor -- the fundamental building block of computers for the last half century -- leading to a new way to construct computers in the future.

In a paper published in today's Journal of Applied Physics, three members of HP Labs' Quantum Science Research (QSR) group propose and demonstrate a "crossbar latch," which provides the signal restoration and inversion required for general computing without the need for transistors. The technology could result in computers that are thousands of times more powerful than those that exist today.

"We are re-inventing the computer at the molecular scale," said Stan Williams, HP Senior Fellow and QSR director, and one of the authors of the paper. "The crossbar latch provides a key element needed for building a computer using nanometer-sized devices that are relatively inexpensive and easy to build."

QSR works on nanoscale electronic devices that will first supplement, and someday perhaps replace, silicon technology, which is expected to reach its physical limits in about a decade. In addition to exploring the fundamental scientific principles of computing at the molecular level, QSR is also looking at architectural issues and determining how such tiny devices -- thousands of which could fit across the diameter of a human hair -- could be fabricated economically and in mass quantities.

The experimentally demonstrated latch consists of a single wire acting as a signal line, crossed by two control lines with an electrically switchable molecular-scale junction where they intersect. By applying a sequence of voltage impulses to the control lines and using switches oriented in opposite polarities, the latch can perform the NOT operation, which, along with AND and OR, is one of three basic operations that make up the primary logic of a circuit and are essential for general computing. In addition, it can restore a logic level in a circuit to its ideal voltage value, which allows a designer to chain many simple gates together to perform computations.

Standard semiconductor circuits require three-terminal transistors to perform the NOT operation and restore signals. However, it is generally believed that transistors will not be able to shrink down to the size of a few nanometers and remain operable.

"Transistors will continue to be used for years to come with conventional silicon circuits," said Phil Kuekes, senior computer architect, QSR, another one of the paper's authors, "but this could someday replace transistors in computers, just as transistors replaced vacuum tubes and vacuum tubes replaced electromagnetic relays before them."

Kuekes was previously awarded a patent on the crossbar latch (U.S. 6,586,965) in July 2003, and the Journal of Applied Physics report, titled "The crossbar latch: Logic value storage, restoration and inversion in crossbar circuits," demonstrates the application of the

technology. Duncan R. Stewart, a QSR scientist and the third author, performed most of the testing that demonstrated that the device actually works. The paper underwent rigorous peer review before being published.

"We have previously demonstrated that we could make a working memory with molecular-scale junctions and logic devices that could perform simple logic operations such as AND and OR," Stewart said. "With the crossbar latch, we now have the final component theoretically needed for performing the multiple processing steps required for useful computing at the nanoscale."

The research on the crossbar latch was partially supported by the Defense Advanced Research Projects Agency (DARPA).

Source: HP

Message-ID: <000901c50ac0\$5b9f1cc0\$6400a8c0@Mongo>
From: "Paul Monroe" <pmonroe@charter.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Payback Time
Date: Fri, 4 Feb 2005 07:49:32 -0600
MIME-Version: 1.0
Content-Type: text/plain;
 format=flowed;
 charset="iso-8859-1";
 reply-type=response
Content-Transfer-Encoding: 7bit

Dave and the Group,

I'm sure that the semaphore and smoke signal guys were rejoicing over the relay dudes getting their come-uppance with the invention of the Audion, and the relay guys laughed when the transistor came in. On and on and on.....

"but this could someday replace transistors in computers, just as transistors replaced vacuum tubes and vacuum tubes replaced electromagnetic relays before them."

73,

Paul, W9MEH

Message-Id: <6.0.1.1.2.20050204105348.0425d2e8@ntpop.usnews.com>
Date: Fri, 04 Feb 2005 11:04:05 -0500
To: Old Tube Radios <boatanchors@theporch.com>
From: Avery Comarow <acomarow@usnews.com>

Subject: FS: Tek 585A scope and accessories
Mime-Version: 1.0
Content-Type: multipart/alternative;
boundary="=====_66333272==.ALT"

-----_66333272==.ALT
Content-Type: text/plain; charset="us-ascii"; format=flowed

Last August I purchased a 585A, mainly because I couldn't resist. I've used it exactly twice, and would like to sell it for what I paid, which was \$100. I'll paste the seller's description, which I found accurate to the extent that I actually used any of the add-ons, below my name. (He did not include 7 probes, however; when I came to pick up the scope a couple of them didn't work. I'll include what he did provide.) The manual that came with it was for a 585, but I found an original manual for the A model and will include that. The seller also threw in a Tek 107 square wave generator, operating condition unknown, minus power cord and manual. I'll include that, too.

Local pickup ONLY. I'm in a Maryland suburb of Washington, D.C.

Feel free to call me at 202-955-2609 office, 301-983-2407 home. Warning: I'm not a scope guru and can only answer the most basic questions, e.g., is there a trace? (Yes.)

Avery W3AVE

Original seller's description:

I have a rather nice, albeit vintage, Tek 585A 100mhz scope with an 82A dual-trace plug-in. Both of these units work perfectly and are in remarkably nice condition. I have the books and an excellent 500/53A scope mobile cart to go with it. There are about 7 probes (all good) included. Additionally, I'll add a CA and Z plug in, and a Type 81 plug-in adapter. The latter are un-tested but appear fine.

-----_66333272==.ALT
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

```
* * * * *
*      ---REMAINDER OF MESSAGE TRUNCATED---      *
*      This post contains a forbidden message format      *
* (such as an attached file, a v-card, HTML formatting) *
*      Mail Lists at theporch.com only accept PLAIN TEXT      *
* If your postings display this message your mail program *
* is not set to send PLAIN TEXT ONLY and needs adjusting *
* * * * *
```

--===== _66333272==.ALT--

Date: Fri, 04 Feb 2005 12:49:48 -0700 (MST)
From: Richard Loken <richardlo@admin.athabascau.ca>
Subject: tube query: 6BQ5 and 6267
To: Old Tube Radios <boatanchors@theporch.com>
Message-id: <Pine.PMDF.3.95.1050204124658.541237453D-1000000@admin.athabascau.ca>
MIME-version: 1.0
Content-type: TEXT/PLAIN; charset=US-ASCII

I must simplify the question.

Why do a 6BQ5 and a 6267 have a pin labelled "internal connection" and what is connected to them?

What would I, the hapless designer, connect to those pins (that are further labelled, "do not use")?

--

Richard Loken VE6BSV, Systems Programmer - VMS : "Anybody can be a father
Athabasca University : but you have to earn
Athabasca, Alberta Canada : the title of 'daddy'"
** richardlo@admin.athabascau.ca ** : - Lynn Johnston

Message-Id: <200502042002.j14K2vN00967@web1.ghg.net>
To: Old Tube Radios <boatanchors@theporch.com>
From: adcinfo@ghg.net
Subject: Re: tube query: 6BQ5 and 6267
Date: Fri, 4 Feb 2005 20:02:57 GMT

Richard,
I have seen "IC" being used for filament midpoints on filaments and for additional support of the tube structure that were actually additional plate pins.

Ned Ely KD5YQH

> I must simplify the question.

>

> Why do a 6BQ5 and a 6267 have a pin labelled "internal connection" and what
> is connected to them?

>

> What would I, the hapless designer, connect to those pins (that are further
> labelled, "do not use")?

>
> --
> Richard Loken VE6BSV, Systems Programmer - VMS : "Anybody can be a father
> Athabasca University : but you have to earn
> Athabasca, Alberta Canada : the title of 'daddy'"
> ** richardlo@admin.athabascau.ca ** : - Lynn Johnston
>

Date: Fri, 04 Feb 2005 13:32:52 -0700 (MST)
From: Richard Loken <richardlo@admin.athabascau.ca>
Subject: Re: tube query: 6BQ5 and 6267
To: Old Tube Radios <boatanchors@theporch.com>
Cc: Old Tube Radios <boatanchors@theporch.com>
Message-id: <Pine.PMDF.3.95.1050204132859.541237453E-100000@admin.athabascau.ca>
MIME-version: 1.0
Content-type: TEXT/PLAIN; charset=US-ASCII

On Fri, 4 Feb 2005 adcinfo@ghg.net wrote:

> Richard,
> I have seen "IC" being used for filament midpoints on filaments and for
> additional support of the tube structure that were actually additional plate
> pins.

Hmmmm, now I am getting the kind of information that I need...

And somehow I think that using a filament or plate connection would be a lousy substitute for a control grid pin on a 6BQ5 and poor choice for a grounded tie point on a 6267. No?

--
Richard Loken VE6BSV, Systems Programmer - VMS : "Anybody can be a father
Athabasca University : but you have to earn
Athabasca, Alberta Canada : the title of 'daddy'"
** richardlo@admin.athabascau.ca ** : - Lynn Johnston

From: "Rodger Singley" <rbsingl@ilstu.edu>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: repairing small variable caps?
Date: Fri, 4 Feb 2005 17:37:39 -0600
Message-ID: <000101c50b12\$838e11d0\$c401640a@D1JXNQ31>
MIME-Version: 1.0
Content-Type: text/plain;
charset="us-ascii"
Content-Transfer-Encoding: 7bit

A problem that I have not seen addressed on this list (though I may have missed it!) concerns small variables where the rotor is no longer centered and there is no adjustable thrust bearing (at least that I can see). These caps typically are in the 100 pf or less size and have a shaft exiting each end so they can be mechanically coupled in series. In the past, I have simply replaced them but my parts stock of these is dropping and I would like to repair the current subject which is one of the exciter tuning caps in a Johnson Pacemaker. Although the plates are not quite shorting, they are far too close for comfort! It appears the whole rotor section has shifted in such a way that the plates are still evenly parallel from side to side, it is simply too far back. The couplers between caps are flexible so the shift is not due to mechanical force being exerted. Has anyone determined the cause (wear and tear?) and any advice on repairing? This cap is held together by rivets; I suppose I could remove them and install small spacers to reorient the stator section to the "new" position of the rotor but I would be very interested in anyone else's solution to this problem.

Thanks and 73,
Rodger WQ9E

Date: Fri, 04 Feb 2005 18:41:03 -0500
From: W7QH0@aol.com
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: tube query: 6BQ5 and 6267
MIME-Version: 1.0
Message-ID: <2B42259F.46C8BBD4.0000F8E2@aol.com>
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: 8bit

Some interesting points here I've not looked at before.

The EIA basing diagram or "pinout" listed for the 6BQ5 in the sources I have is 9CV. This diagram shows pins 1, 6 and 8 apparently unused but labeled "IC" which is identified as meaning "internal connection" in the terminal designation tables that accompany some (but not all) base diagram listings. The IC label also appears on, 9CB and 9JL to cite a couple of examples, and many other 7 and 9 pin base diagrams show empty pins with no label at all or labeled NC (no connection).

However, none of the various tube data sources I have available (ARRL & Radio Handbooks, Sibley's Tube Lore, Fathauer's Tube Locator, Sylvania and other manuals, etc.) provide any further information on just what the IC label on a pin might mean for any particular tube, i.e., internally connected to what? Interestingly, my 1961 and 1962 ARRL Handbooks show pin 1 of 9CV labeled "IC" as mentioned before but also internally connected to pin 3, the tube cathode. Later Handbooks and all my other references show no such connection. Haven't done an

exhaustive search, but this is the only case I've seen where an "IC pin" was shown as being attached to anything.

So, what to make of all this? It would appear that the "IC" label on a pin serves as a warning not to use that connection on the socket as a tie point -- any given manufacturer may have used it for a grid support or something else. In the instant case of the guitar amplifier with the audio input going to pin 1, my suspicious mind suggests that the manufacturer found a brand of tubes that were wired up this way and set aside a stock of these. He then designed his circuit so that customers would have to come back to him for replacement tubes and be charged accordingly.

Anyone know (or suspect) more?

--

Dennis D. W7QHO
Glendale, CA

Message-ID: <015e01c50b15\$06a4a780\$6501a8c0@akorn.net>
From: "Tom Rauch" <w8ji@contesting.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: repairing small variable caps?
Date: Fri, 4 Feb 2005 18:55:37 -0500
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> and any advice on repairing? This cap is held together by
rivets; I
> suppose I could remove them and install small spacers to
reorient the
> stator section to the "new" position of the rotor but I
would be very
> interested in anyone else's solution to this problem.

Often the stator is soldered in place to set the plate
centering. If that's the case, just heat the mounting points
up and move it.

73 Tom

Message-ID: <1c4d01c50b18\$21801550\$5901a8c0@w8ut>
From: "Al Parker" <anchor@ec.rr.com>
To: Old Tube Radios <boatanchors@theporch.com>
Cc: <richardlo@admin.athabasca.ca>

Subject: Re: tube query: 6BQ5 and 6267
Date: Fri, 4 Feb 2005 19:17:51 -0500
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Sounds like a very plausible suspicion of a devious subterfuge.

73,

Al, W8UT

New Bern, NC

BoatAnchors appreciated here

<http://www.thecompendium.net/radio/>

<http://www.hammarlund.info>

----- Original Message -----

From: <W7QHO@aol.com>

Subject: Re: tube query: 6BQ5 and 6267

> Some interesting points here I've not looked at before.

>

> So, what to make of all this? It would appear that the "IC" label on a pin serves as a warning not to use that connection on the socket as a tie point -- any given manufacturer may have used it for a grid support or something else. In the instant case of the guitar amplifier with the audio input going to pin 1, my suspicious mind suggests that the manufacturer found a brand of tubes that were wired up this way and set aside a stock of these. He then designed his circuit so that customers would have to come back to him for replacement tubes and be charged accordingly.

>

> Anyone know (or suspect) more?

>

> --

> Dennis D. W7QHO

> Glendale, CA

>

>

Date: Fri, 04 Feb 2005 17:23:33 -0700 (MST)
From: Richard Loken <richardlo@admin.athabasca.ca>
Subject: Re: tube query: 6BQ5 and 6267
To: Old Tube Radios <boatanchors@theporch.com>
Cc: Old Tube Radios <boatanchors@theporch.com>

Message-id: <Pine.PMDF.3.95.1050204172210.541237453G-100000@admin.athabascau.ca>
MIME-version: 1.0
Content-type: TEXT/PLAIN; charset=US-ASCII

On Fri, 4 Feb 2005 W7QH0@aol.com wrote:

> else. In the instant case of the guitar amplifier with the audio input going
> to pin 1, my suspicious mind suggests that the manufacturer found a brand of
> tubes that were wired up this way and set aside a stock of these. He then
> designed his circuit so that customers would have to come back to him for
> replacement tubes and be charged accordingly.

I am shocked that you would even think of such a thing. :)

--

Richard Loken VE6BSV, Systems Programmer - VMS	:	"Anybody can be a father
Athabasca University	:	but you have to earn
Athabasca, Alberta Canada	:	the title of 'daddy'"
** richardlo@admin.athabascau.ca **	:	- Lynn Johnston

Message-ID: <011501c50b3c\$69d77b80\$9e44f340@adcinio>
From: "Ned Ely" <adcinio@ghg.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: tube query: 6BQ5 and 6267
Date: Fri, 4 Feb 2005 22:37:27 -0600
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Which reminds me of equivalent tubes having scrambled pinouts so as to make
you return to the distributor for a replacement.

> On Fri, 4 Feb 2005 W7QH0@aol.com wrote:

>

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going

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> I am shocked that you would even think of such a thing. :)
>

End of BOATANCHORS Digest 3765
